

Structure Policy Directive

Number: SPD 1-1
References: None
Effective Date: June 30, 2017
Supersedes: September 1, 2014

TITLE Delegations of Authority for Bridge and Transportation Structures¹ Related Policies and Requirements

DIRECTIVE

The Structure Policy Board (SPB) members have the authority to develop and adopt bridge and transportation structure related policies and requirements in accordance with Section 137 of the California Streets and Highways Code, and the Department Delegations of Authority².

This authority includes adopting the requirements stated in the Code of Federal Regulations (CFR), adopting other national bridge and structural requirements, and/or developing bridge and transportation structural policies and requirements for the State Highway System (SHS) and National Highway Systems (NHS).

BACKGROUND

In order to effectively design, construct, maintain and operate all bridges and transportation structures located on the SHS and NHS, the SPB was chartered³ by the Division Chiefs from Engineering Services, Maintenance and Local Assistance.

The SPB is made up of the Department's engineering managers with the delegated authority pertaining to bridges and transportation structures. The SPB serves as a forum for its members to collaboratively exercise their individual authorities listed in the Appendix.

¹ Transportation Structures include, but are not limited to buildings, pump plants, ancillary structures, earth retaining structures, and tunnels

² http://admin.dot.ca.gov/bfams/admin_svcs/dd_authority/delegations.html

³ <http://des.onramp.dot.ca.gov/structure-policy-innovation/structure-policy-board>

The California Bridge and Structures Strategic Direction (CBSSD) is a roadmap for delivering and managing ALL public bridges and structures in California to ensure that they are safe, durable, and cost effective through integrated delivery and management, independent of ownership or financial funding. The CBSSD identifies objectives, ensuring that bridges and structures are consistent in all aspects and seamless in performance and value to the traveling public. The SPB uses the CBSSD as a roadmap to clarify what is important and integrates decision making to ensure best value. When bridge managers are considering a policy decision, they weigh the impacts relative to the CBSSD objectives. Ultimately, if a policy decision adversely affects one of the objectives, it is probably not the best choice, and the associated risks need to be carefully considered.

DEFINITIONS

Strategic Organization:

The SPB, DES participating subdivisions, Division of Maintenance (SM&I) and external agencies (collectively referred to as "Organizations") that generate the methods for meeting the expected outcomes identified in the CBSSD.

NHS:

The National Highway System is a network of strategic highways within the United States, including the Interstate Highway System and other roads serving major airports, ports, rail or truck terminals, railway stations, pipeline terminals and other strategic transport facilities.

SHS:

The State Highway System of the state of *California* is a network of highways that are owned and maintained by the *California* Department of Transportation (Caltrans).

RESPONSIBILITIES

Structure Policy Board Members:

- Approve bridge and structure-related directives, policies and requirements
- Make timely decisions on technical policy issues related to bridges and other transportation structures
- Delegate approval authority of requirements by written authorization to subordinates or others
- Implement the objectives of the CBSSD

Technical Steering Committee:

- Manages the technical priorities and implementation of technical policy approved by the SPB
- Arbitrates, when necessary on technical issues that cannot be resolved at the Technical Committee/Technical Specialist level
- Ensures the SPB strategic objectives are being met

Technical Managers:

- Approve bridge and transportation structure-related requirements and guidance when delegated by the applicable SPB member in accordance with established delegations

Technical Committee Chairs and Technical Specialists:

- Develop and recommend bridge and transportation structure-related requirements and guidance under the direction of the Caltrans' Technical Manager in accordance with established delegations

Engineer of Record:

- Adheres to bridge and transportation directives, policies, requirements, by applying initiative, skill and independent judgment

Asset Owner:

- Ensures SPD policies and requirements are followed

APPLICABILITY

All Entities involved in the design, construction, and maintenance of bridges and structures located on the SHS, NHS, and public roads in accordance with the CFR Title 23 "Design Standards for Highways."

The members of the Structure Policy Board hereby approve this Directive.

APPROVED BY:



THOMAS A. OSTROM
State Bridge Engineer
Deputy Division Chief
Structure Policy & Innovation

Appendix

AUTHORITY

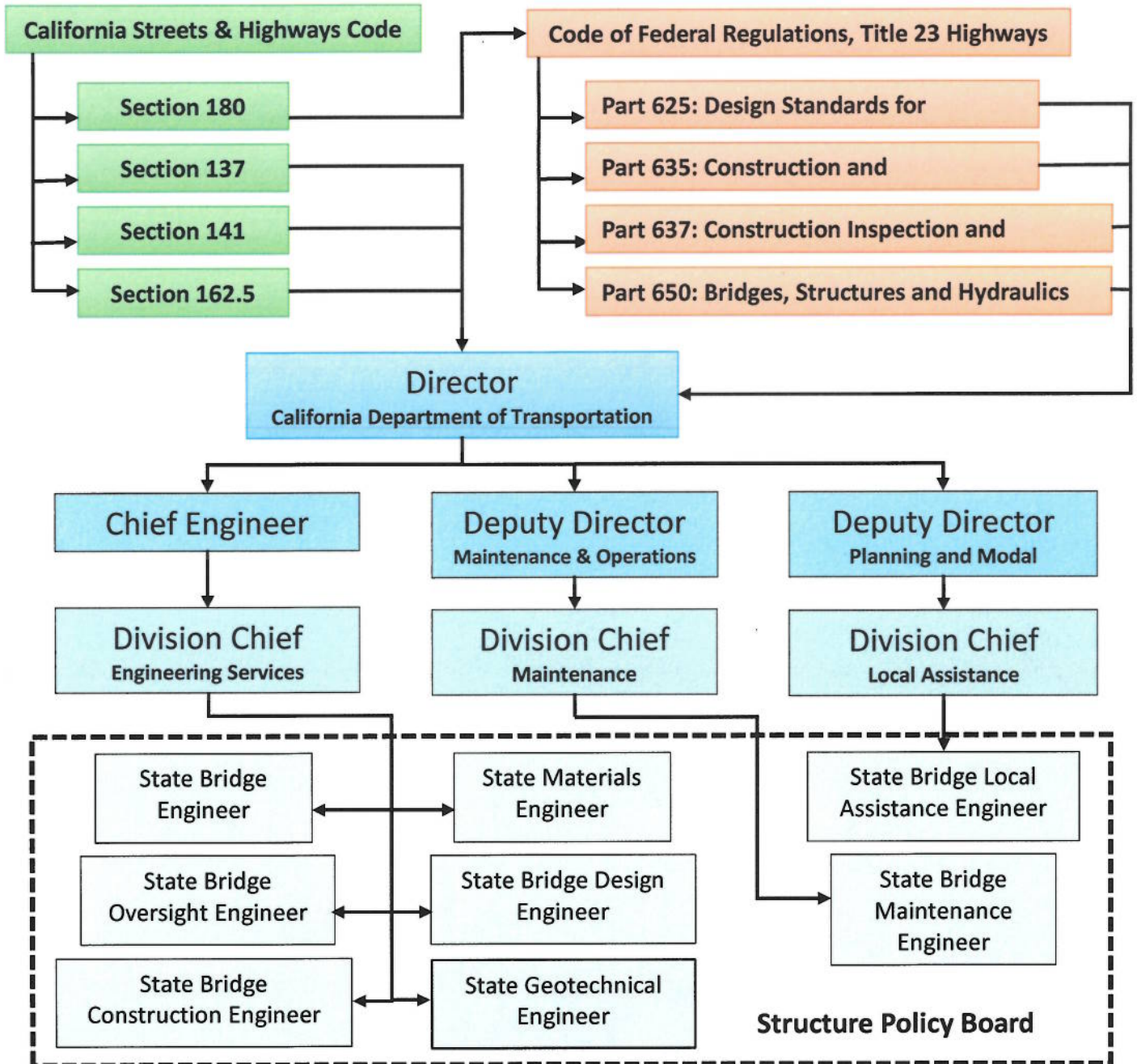
State Bridge Engineer	<ul style="list-style-type: none"> • Approval of structural policies and requirements for bridges • Approval of structural policies and requirements for sound walls, culverts, signs and luminaires • Jointly approve policies and requirements for Earth Retaining Structures (ERS) • Voting member of the American Association of State Highway and Transportation Officials (AASHTO), Subcommittee on Bridges and Structures (SCOBS) • Chair of the Structure Policy Board
State Bridge Maintenance Engineer	<ul style="list-style-type: none"> • Approval of policies and requirements for the safety inspection and load rating of in-service public highway bridges and tunnels • Approval of policies and requirements for the response, assessment and stabilization of bridges during bridge emergencies as defined in Deputy Directive 109 • Member of AASHTO Subcommittee on Bridges and Structures
State Bridge Design Engineer	<ul style="list-style-type: none"> • Approval of policies and requirements for: <ul style="list-style-type: none"> Transportation structures: <ul style="list-style-type: none"> ○ Architectural ○ Electrical and mechanical systems ○ Water and wastewater systems ○ Aesthetics Bridge and transportation structure plans, specifications and estimates: <ul style="list-style-type: none"> ○ Plan preparation and detailing ○ Aesthetics • Member of AASHTO Subcommittee on Bridges and Structures

Appendix

AUTHORITY

State Materials Engineer	<ul style="list-style-type: none"> • Approval of policies and requirements for structural materials, material quality and source inspection • Voting member of the AASHTO Subcommittee on Materials
State Geotechnical Engineer	<ul style="list-style-type: none"> • Approval of policies and requirements for geotechnical engineering and engineering geology • Approval of policies and requirements for the response, assessment and stabilization of Earth Retaining Structures (ERS), slopes and embankments during an ERS emergency • Jointly approve policies and requirements for ERS
State Bridge Construction Engineer	<ul style="list-style-type: none"> • Approval of policies and requirements for the construction of bridges and transportation structures: <ul style="list-style-type: none"> ○ Contract administration as it relates to bridges and transportation structures ○ Verification of contractor performed work ○ Contractor temporary works
State Bridge Oversight Engineer	<ul style="list-style-type: none"> • Implementation of all bridge and transportation structure policies and requirements for externally funded projects on the SHS
Division of Local Assistance Bridge, Bond and Safety Programs Chief	<ul style="list-style-type: none"> • Implementation of bridge and transportation structures policies and requirements for locally funded projects on the NHS and federal-aid funded projects off the NHS

Figure 1. - Delegations of Authority for Bridge and Transportation Structure Policy



"Provide a safe, sustainable, integrated and efficient transportation system to enhance California's economy and livability."